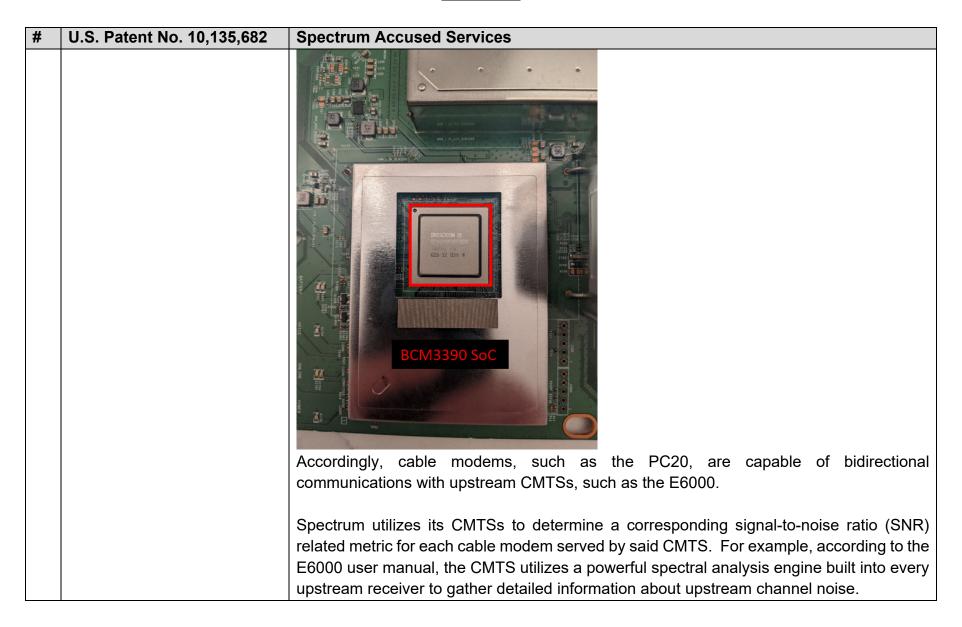
# EXHIBIT L

## Exemplary Chart for the '682 Patent Infringement of U.S. Patent No. 10,135,682 by Spectrum Accused Services

#	U.S. Patent No. 10,135,682	Spectrum Accused Services
1a	A method comprising:	The Accused Services perform the claimed method utilizing, for example, including a Cable Modem Termination System ("CMTS") operated by Spectrum and at least one cable modem located at each subscriber location, including, for example, the Spectrum PC20, and products that operate in a similar manner. By way of example, the Arris E6000 CMTS is charted herein.
1b	determining, by a cable modem termination system (CMTS), for each cable modem served by said CMTS, a corresponding signal-tonoise ratio (SNR) related metric;	The Arris E6000 CMTS determines, for each cable modem served by said CMTS, a corresponding signal-to-noise ratio (SNR) related metric.  Spectrum started using Arris CMTS's as early as 2014, including the E6000, Arris' CMTS that added video edge QAM components and became a fully integrated Converged Cable Access Platform. The E6000's capabilities are described, for example, in the E6000 Manual.  Spectrum continues to use CMTSs like the E6000 to send and receive packets to downstream cable modems over the Internet. For the purposes of this analysis, the PC20 will be assessed. However, Spectrum's services are compatible with a variety of cable modems for consumers to utilize in conjunction with their services.  Cable modems, such as the PC20, include chips capable of receiving and transmitting performance data to the CMTS, such as Broadcom's BCM3390 system-on-a-chip ("SoC")



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1c	assigning, by said CMTS,	A service group includes one or more modems. The Arris E6000 CMTS assigns each cable
	each cable modem among a	modem among a plurality of service groups based on a respective corresponding SNR-
	plurality of service groups	related metric.
	based on a respective	
	corresponding SNR-related	Specifically, the Arris E6000 CMTS utilizes a process of profiling downstream modems.
	metric;	
1d	generating, by said CMTS for	The Arris E6000 CMTS generates, for each one of said plurality of service groups, a
	each one of said plurality of	composite SNR-related metric based at least in part on a worst-case SNR profile of said
	service groups, a composite	SNR-related metrics corresponding to said one of said plurality of service groups.
	SNR-related metric based at	
	least in part on a worst-case	
	SNR profile of said SNR-	SNR profile of each service group. For example, the Arris E6000 CMTS optimizes a
	related metrics corresponding	modulation profile based on worst-case noise that is expected on the upstream channel
	to said one of said plurality of	and still achieve a reasonable level of performance.
	service groups;	
1e	selecting, by said CMTS, one	The Arris E6000 CMTS selects one or more physical layer communication parameter to
	or more physical layer	be used for communicating with said one of said plurality of service groups based on said
	communication parameter to	composite SNR-related metric.
	be used for communicating	
	with said one of said plurality	Specifically, the Arris E6000 CMTS selects one or more physical layer communication
	of service groups based on	parameters to be used for communicating, via a physical layer, with each service group of
	said composite SNR-related	downstream modems. For example, the Arris E6000 CMTS selects one or more physical
	metric; and	communication parameters that control modems in the various upstream channels, which
		have been configured via the modulation profiles. For example, when adding additional
		forward error correction to attempt to correct for upstream errors is no longer efficient, a
		lower modulation rate (e.g. a physical layer communication parameter) is applied to a
		particular service group.

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1f	communicating, by said	The Arris E6000 CMTS communicates with one or more cable modems corresponding to
	CMTS, with one or more cable	said one of the plurality of service groups using the selected one or more physical layer
	modems corresponding to	communication parameter.
	said one of said plurality of	
	service groups using said	Specifically, Spectrum communicates, via its CMTSs (such as the Arris E6000 CMTS),
	selected one or more physical	messages that include parameters that control cable modems in one of said plurality of
	layer communication	service groups in the various upstream channels. These communications utilize the
	parameter.	selected one or more physical layer communication parameters.